

IN THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-9 (Cancelled)

10. (New) A turbocharger (1) comprising:
a shaft (18) for mounting one rotor on each end thereof,
a bearing housing (4) for supporting said shaft (18), and
a turbine housing (2), an opening of which is arranged
opposite the bearing housing (4), wherein an end portion (5)
of the bearing housing (4) can be fastened on wall
portions(33) of the turbine housing which are adjacent to said
opening,

wherein an area between said end portion (5) of the
bearing housing (4) and the turbine housing (2) has at least
one refractory sealing (17, 31) of mineral material or metal.

11. (New) The turbocharger according to claim 10, wherein
said bearing housing (4) includes a flange that can be
inserted into a recess in the complementary wall portion (33),
and

wherein the refractory sealing (17), which comprises a
mineral or metallic material, is located between said flange
(5) and said recess in the wall portion (33).

12. (New) The turbocharger according to claim 11, wherein
said sealing (17), which constitutes a ring, is positioned
against an outwardly facing surface of the flange (5), wherein
said outwardly facing surface of the flange (5) is the
flange's (5) peripheral surface.

13. (New) The turbocharger according to claim 11, wherein said sealing (17, 17', 17'') is positioned against a surface (5') of the flange (5) of the bearing housing (4), wherein said surface (5') faces the turbine housing (2), wherein said surface (5') is a surface oriented in an axial direction, and

wherein said ring sealing (17') constitutes a crimped ring having two sections (17a, 17b) which abut flat onto respective surfaces (5' and 23) of the bearing housing (4) and the turbine housing (2).

14. (New) The turbocharger according to claim 13, wherein said ring sealing (17') constitutes a half-crimped ring.

15. (New) The turbocharger according to claim 13, wherein said ring sealing (17'') is bent in cross section, has a circumferential slot (41), and is positioned against an open circular groove (37) of one of the housings (4).

16. (New) The turbocharger according to claim 10, wherein the refractory sealing of mineral material or metal (17, 31) is selected from the group consisting of mica, graphite and metal.

17. (New) The turbocharger according to claim 10, wherein said turbocharger comprises a guiding grid of variable turbine geometry, which can be controlled by means of a control shaft (24), which is supported by the turbine housing (2) or by the bearing housing (4), and wherein said control shaft (24) is received within a divided bushing (28) between two parts (29, 30), wherein said sealing of mineral material or metal is positioned.

18. (New) The turbocharger according to claim 17, wherein said sealing is graphite.

19. (New) The turbocharger according to claim 17, wherein at least one of the parts (29, 30) of bushing (28) comprises a hollow cylindrical edge projection (34), which accommodates said sealing (31).

20. (New) A method of manufacturing a turbocharger, wherein said turbocharger comprises a guiding grid of variable turbine geometry, which can be controlled by means of a control shaft (24), which is supported by the turbine housing (2) or by the bearing housing (4), and wherein said control shaft (24) is received within a divided bushing (28) between two parts (29, 30), wherein said sealing of mineral material or metal is positioned, comprising:

introducing the control shaft (24) and said two bushing parts (29, 30), having said broader, deformable sealing (31) between said bushing parts (29, 30), into flange (5), wherein at least one of said bushing parts (29, 30) projects beyond said flange (5), and

applying pressure onto said one projecting bushing part such that said pressure is communicated to said sealing (31), whereupon said sealing fills orifices.

21. (New) The turbocharger according to claim 15, wherein the circular slot (41) is oriented within a radial plane, and is turned radially inward with reference to the turbine shaft.